## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | iditials | ID NO | DATE     |
|---------------------------|----------|-------|----------|
| FEE DETERMINATION         |          |       |          |
| O.I.P.E. CLASSIFIER       | ROD      |       | 4/23/01  |
| FORMALITY REVIEW          | 1M       | 1088U | 5/1/1    |
| RESPONSE FORMALITY REVIEW | 13       | (/77  | 08/21/01 |
|                           | 0        |       | VII 460/ |

## INDEX OF CLAIMS

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | . 1 | Interference |
| _ | (Through numeral) Canceled |     | Appeal       |
| ÷ | Restricted                 | _   | Objected     |

| Ļ        | Clain  | ١.   | <u>.</u>   | _,_        |               | L            | ate      |         |                   |   |                 |   | Cla           | im         |          |          | _        | _ D      | ate      |              |              |          |               | 1   | Cla           | im       |            |  |               | D        | ate       |              |           |          |
|----------|--|--|------------|------------|---------------|--------------|----------|---------|-------------------|---|-----------------|---|---------------|------------|----------|----------|----------|----------|----------|--------------|--------------|----------|---------------|-----|---------------|----------|------------|--|---------------|----------|-----------|--------------|-----------|----------|
|          | 2  | <u> </u>   | Z.         | 3          | 8             | 20           |          |         |                   |   |                 |   |               | a          |          | T        | T        | Т        |          | 7            | Т            | Т        | Τ             | 1   |               | _        | $\top$     | Τ  | Т             | 7        | T         | Τ            | T         | Т        |
|          | Final  |  | 3          | 3          | γ,            | 2            | - 1      |         |                   | İ   | -               |   | Final         | Original   | ]        | Ì        | -        |          |          |              | -            |          |               |     | Final         | Original |            | ١,   |               |          |           | 1            |           |          |
| 1        | -  | 4  | 71.        | ¥          | Υ.            | <del>7</del> | +        | +-      | +                 | +   | +-              |   | 쁘             | 51         | $\dashv$ | +        | +        | +        | +        | +            | +-           |          | +             | -   |               | ō        | 4          | 4  | 1             | ┸        | 1_        | Ц.           | L         | L        |
| : }      |  | 2  |            | 4          | <del>Y </del> | <del>}</del> | +        | ╁       | +                 | +-  | +               |   |               | 52         | -        | +        | -        | +        | +-       | +            | ╄            | 4        | 4             | 4   |               | 101      | <u> </u>   | $\perp$  | 1_            | _        | ↓.        | L            | 上         | L        |
| 1        |  | 3  |            | ╫          | Н.            | H            | +        | ╁       | +                 | +   | +               |   |               | 53         | $\dashv$ | +        |          | +        | +        | +            | ╀.           | ╀        | +             | 4   |               | 102      | 1          | $\bot$   | _             | 1        | ┸         | ↓_           | $\perp$   |          |
| ľ        |  | 4  | Н          | +          | #             | ₩            | +        | ╀       | -                 | +   | -               |   | $\vdash$      |            | -        | +        | +        | 4        | -        | 4            | ╄            | ↓_       | _             | 1   | -             | 103      | ┸          | $\perp$  | 上             |          |           | L            | $\perp$   |          |
| h        |  | ,  | ₩          | +          | ₩             | <del>'</del> | ╁        | +       | +                 | +-  | $\vdash$        |   | -             | 54<br>55   | -        | +        | +        | 4        | +        | +-           | +-           | +        | -             | 1   |               | 104      | 1          | ┸  | _             | L        |           |              | L         |          |
| ŀ        |  |  | ╢┈         | Η-         | ╫             | ΥH           | ╫        | ┿       | ┿                 | +-  | $\vdash$        |   | $\rightarrow$ | 56         | +        | +        | - -      | +        | +        | +-           | +            | _        | ╁             | -   | _             | 105      | $\perp$    | $\perp$  | ┸             | _        | <u> </u>  | L            | 丄         | L        |
| ŀ        | +  |  | ╫╌         | ╫          | ╫             | ╁┼           | +        | +       | ┿                 | +-  | $\vdash$        |   |               | 57         | +        | +        | +        | +-       | +-       | +            | +            | 4        | +             | -   | -             | 106      | 4          | 1  | $\perp$       | 퇶        | <u> </u>  | $oxed{oxed}$ | L         | L        |
| ŀ        | - 1  |  | ₩          | ╫╴         | ╫             | ╫╴           | +        | ╁       | +                 | +   | ┼┤              |   | _             | 57<br>58   | +        | +        | +        | +        | +-       | +            | +            | ┼        | ↓_            | -   |               | 107      | 4          | 1  | <u> </u>      | 1        | _         |              | L         | L        |
| ŀ        | $\dashv$   | <del>                                     </del>   | ┢          | ╫╴         | #             | ╫            | ╁        | +       | +                 | +-  | $\vdash$        |   | -             | -+         | +        | -+       | +        | +        | +        | +-           | +            | +-       | ╄.            | -   | -             | 108      | 4          | ┸  | 4_            | _        | <u> </u>  | _            | L         | Ŀ        |
| ŀ        | d  | 7  | ╫╌         | ╫          | #             | ╫            | +        | ╁       | +                 | +-  | Н               | } | _             | 59         | $\dashv$ | +        | - -      | ┿        | +        | +            | +            | ╄        | ـ             |     | $\rightarrow$ | 109      | <u> </u> : | 1  | $\perp$       | $\perp$  | <u> </u>  | _            | L         | L        |
| H        | $\neg$   | 1  | ╫─         | ₩          | ₩             | ╫╴           | +        | ┿       | ┿                 | +   | $\vdash$        | ŀ |               | 60<br>61   | -+       | +        | +-       | 4        | ╀        | ╁            | +            | ╄-       | 上             | 1   |               | 110      | 4          | ┸  | 1             | ـــ      | <u> </u>  | L            | 上         |          |
| H        | 12   |  | ₩-         | 11         | +             | ₩            | +        | +-      | +                 | +-  | $\vdash$        | } |               | _          | +        | +        | +-       | +        | +-       | +            | 1            | 4_       | <u> </u>      | 1   | -             | 111      |            | 1  | $\perp$       | _        | Ш         |              |           |          |
| H        | 13   | _  | +          | H          | +             | ╫            | +        | +-      | +-                | ┰   | $\vdash$        | ŀ | $\rightarrow$ | 62<br>63   | -        | +        | +        | +-       | +-       | ╀            | ╄            | ╀-       | ↓_            | -   |               | 112      | 1          | ╀  | 1_            |          |           | ļ            | L         | _        |
| ١,       | 7 14   | -  | +          | ₩          | +             | ╫            | +        | +       | ┿                 | +   | ╀┤              | - |               | _          |          | +        | ┿-       | +        | -        | $\vdash$     | 4            | ↓_       | $\vdash$      | -   | -             | 113      | _          | $\perp$  | _             | <u> </u> | <u></u>   |              | L         | L        |
| ŀ        | 15   | -  | +          | ₩          | $\mathcal{H}$ | +            | +        | +       | +                 | +-  | $\vdash$        | - |               | 64         | +        | +        | -        | +-       | +        | -            | <del> </del> | $\perp$  | <u> </u>      | 1   |               | 114      | 1_         | 1  | 1             | ┞-       |           |              |           | -        |
| H        | $\forall$  | <del>     </del>   | ++         | ╫          | ╢             | +            | +        | +-      | +                 | +   | $\vdash \vdash$ | ļ |               | 35         |          | +        | +        | +-       | +        | ↓_           | 1_           | $\perp$  | ┞             | ١.  | $\rightarrow$ | 115      | 1          | ↓_   | $\perp$       | L        | L.        |              | L         |          |
| +        | ~ <del>  </del>  | <del>     </del>   | +-         | #          | ₩             | +            | +        | +-      | +                 | +   | Н               | - |               | 6          | +        | +        | +        | +        | 1        | 1            | ╀            | _        | ┞_            | 1   | -             | 116      | $\bot$     | 1_   | $\perp$       |          |           |              |           | Ĺ        |
| -        | 1  | ⊬₹   | +          | $^{\rm H}$ | ╫             | +            | +        | ╁       | +                 | +   | $\vdash$        | - |               | 37         | +        | +        | 4        | +        | $\bot$   | <del> </del> | <u> </u>     | ┖        | <u> </u>      |     |               | 17       | 1          |  | $\perp$       |          |           | L            |           |          |
| +        | 1  | +  | 1          | ₩          | ╫             | +            | ╫        | ╀       | ╄                 | ╁   | Н               | - | $\rightarrow$ | 88         | +        | +        | ╄        | ┼        | ╄        | _            | ļ.,          | <u> </u> | L             |     | -             | 18       | $\perp$    | Ľ  | $\bot$        | L        | L         |              |           |          |
| H        | -13  | 7-1  | 4          | ₩          | #-            |              | +-       | ╁       | +                 | +-  | Н               | - | $\rightarrow$ | 39         | +        | Ļ.       | _        | ↓_       | ┸        | <u> </u>     | <u> </u>     | $oxed{}$ | _             | ,   | Ш             | 19       |            | _  |               | L        |           | L            |           |          |
| -        | 2  | $\sqcup$   | ╁          | $\coprod$  | 1             | $\perp$      | 1        | $\perp$ | ↓.                |   | Ш               | L |               | 70         | $\perp$  | ┸        |          |          |          |              | L            |          | Ŀ             | ĺ   |               | 20       |            |  | Г             |          |           |              |           |          |
| L        | - 2  | $\sqcup$   | Ц.         | 44         | 1             | 4            | ┸        | 1       | _                 | 1   | Ш               | L |               | 71         |          | L        |          |          | $\perp$  |              |              |          |               |     | Ti-           | 21       | 1          |  |               |          |           | -            | П         |          |
| $\vdash$ | <b>2</b>   |  | 11         | Ш          | 1             | $\perp$      | 1        | 上       | Ļ                 | 丄   | Ш               | L |               | 2          |          |          |          |          |          |              |              | Γ        |               |     |               | 22       | 1          |  | _             | Т        |           |              | $\Box$    | _        |
| $\perp$  | 23   |  | Ц.         | 11         | 4             | _            | 1        | ↓.      | _                 | _   | Ш               | L |               | 73         | ᆚ        |          |          |          | L        |              | Г            |          |               |     | 1             | 23       |            | Т  |               | П        |           |              |           | _        |
| Þ        | 24   |  | Ц.         | Ц          | 1             | 4            | 丄        | 丄       |                   | <u> </u>  | Ш               | L |               | 74         |          |          |          |          |          |              |              | Γ        |               |     | 1             | 24       |            | Т  |               |          |           |              |           |          |
|          | A PARTY OF THE PAR | $\mathcal{Y}$  | 4          | 11         | 1             | $\perp$      | 丄        | ŀ       | 1                 | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}$ |                 | L |               | <b>7</b> 5 |          |          |          |          |          |              | Ţ.           |          |               |     | 1             | 25       |            | $\vdash$   |               |          |           |              | $\neg$    |          |
| Þ        |  | T,   | 1_         | 11         | Ц             | $\perp$      | _        | ┸       | _                 | L   |                 | L |               | 6          |          |          |          |          |          |              |              |          |               |     | 1             | 26       |            | <del>                                     </del> | _             |          |           | $\neg$       | $\neg$    | _        |
| L        | 2.7  |  | Щ          | Y          | 1             | 1            | ↓_       | L       | 1_                | $\perp$   |                 | L |               | 7          |          |          |          | Г        |          |              | Г            |          |               |     | 1             | 27       |            |  | _             |          |           |              | $\exists$ |          |
| L        | 28   | 2  | <u>L</u>   | 上          | L             |              | _        |         |                   | L   |                 | L | 7             |            |          |          | П        |          |          |              |              | П        |               |     | 1             | 28       | Т          |  |               | П        | -         | _            | $\dashv$  |          |
| L        | 29   |  |            | L          | Ļ             | $\perp$      |          | L       |                   |   |                 |   | . 7           |            | Ι        | Г        |          |          |          |              |              |          |               |     | 1:            | 29       | 一          |  | -             |          |           | $\dashv$     | 7         |          |
| L        | 30   | Ш  | _          | L          | _             | 1.           |          | _       |                   |   |                 |   | ε             | 10         | Ţ        |          |          | Π        |          |              |              |          | $\Box$        |     | 1:            | 30       |            | 1  |               |          | $\neg$    |              | $\dashv$  | ⊣        |
| L        | 31   | Щ  | _          |            | L             | ŀ            | L        | L       | Ĺ                 |   |                 |   | ε             | 11         | I        | T        | 1        |          |          |              |              |          |               |     | $\rightarrow$ | 31       | ✝          | _  |               | $\neg$   | $\dashv$  |              | ┪         |          |
| L        | 32   |  | _          | _          | L             | 1            | L        |         |                   |   |                 |   | 8             |            | Ţ        | $\cdot $ | Τ        |          |          |              |              |          |               |     |               | 32       |            |  |               |          | $\dashv$  | 7            | $\dashv$  |          |
| L        | 33   |  |            | _          | L             | $\perp$      | ┸        | L       | <u> </u>          |   | }               |   | 8             |            |          | П        | Γ        |          |          |              |              |          |               | ı   | 1.            | 33       |            |  |               |          |           | $\neg$       | $\dashv$  | 7        |
| L        | (34  | Щ  | L.,-       | L          | L             | 1_           |          |         | L                 |   |                 | Ŀ | 8             | _1_        | 1        | Т        | ]_       |          | Г        | -            |              |          |               | Ì   |               | 34       |            |  |               |          | 寸         | 7            | 十         | $\dashv$ |
| L        | 35   |  |            |            | L             | ↓_           | $\perp$  | L       |                   | Ш   |                 | L | 8             |            | L        |          | Ι        |          |          |              |              |          |               |     | 1:            | 35       |            |  |               | _        | 7         |              | $\dashv$  | ┪        |
| L        | 36   |  | <u>L</u> . | _          | L             | ┺            |          |         | L                 |   | _               | L | 8             |            |          |          |          |          |          |              |              |          |               | 1   | 1:            | 36       | П          |  |               |          | 寸         |              | $\dashv$  | -+       |
| _        | 37   |  | <u>.</u>   |            | L             | _            | 1_       | 辶       |                   |   | _               | L | 8             |            | Ĺ        |          |          |          |          |              |              |          | $\neg$        | Ī   | 1:            | 37       |            |  |               |          | $\neg$    | _            | 7         | 7        |
| -        | 38   |  |            |            | L             | $\perp$      | <u>Ļ</u> | L_      |                   |   | _               | L | 8             |            |          |          |          |          |          |              |              | T        | ٦             | Ī   | 13            | 8 .      |            |  | $\dashv$      |          | $\exists$ | 7            | 7         | -†       |
| 1        | 39   |  |            |            | L             | 上            | L        | L_      | $ldsymbol{f eta}$ | Ш   | _               | L | 8             | 9          |          |          |          |          |          |              |              |          |               |     | 13            | 19       |            | _  | T             | $\neg$   | $\dashv$  | _            | $\top$    |          |
| 1        | 40   | Ш  | _          |            | _             |              |          | _       |                   | Ш   |                 |   | 9             | _          |          | 1        |          |          |          |              |              | 丁        | 7             | Ì   | 14            | 10       |            | T  |               | $\neg$   | $\dashv$  | _            | 十         | 7        |
| •        | 41   |  |            |            |               | L            | L        | L       | L                 | $\Box$  | _]              |   | 9             | 1          |          |          |          | П        |          |              |              | 7        | $\overline{}$ | ļ   | 14            |          | $\vdash$   | -  | 7             | $\dashv$ | $\dashv$  | $\dashv$     | +         | 7        |
| L        | 42,  |  |            |            | L             |              |          |         |                   |   |                 |   | 9             | 2          | $\top$   | 1        |          | $\Box$   |          |              |              | 寸        | $\dashv$      | ŀ   | 14            | 1        | $\vdash$   | $\dashv$   | $\dashv$      | $\dashv$ | +         | -+           | $\dashv$  | +        |
| L        | 43   |  |            |            |               |              |          |         |                   |   |                 | Г | 9             | 3          | $\top$   |          |          |          | $\neg$   |              | 7            | 7        | $\dashv$      |     | 14            |          | $\dashv$   | +  | $\dashv$      | +        | +         | $\dashv$     | +         | +        |
| L        | 44   |  |            |            |               |              |          |         |                   |   |                 |   | 9             | 4          | Т        |          | П        |          | -        | $\neg$       | _            | $\dashv$ | $\dashv$      | - 1 | 14            |          | $\vdash$   | +  | +             | +        | +         | $\dashv$     | +         | +        |
| Ĺ        | 45   |  |            |            |               | $\Box$       |          |         |                   |   |                 |   | 9             |            | $\top$   | 1        | П        | $\dashv$ | $\dashv$ |              | $\dashv$     | -+       | $\dashv$      | H   | 14            |          | -          | +  | -+            | $\dashv$ | $\dashv$  | +            | +         | +        |
| L        | 46   |  |            |            |               |              |          |         |                   |   | $\neg$          |   | 90            |            | 1        | 1        | П        | _        | 一        | $\dashv$     | 7            | 十        | $\dashv$      |     | 14            |          |            | +  | $\dashv$      | ┰        | +         | +            | +         | +        |
| Ĺ        | 47   | $\Box$   |            | _ [        |               |              | Π        |         |                   | П   |                 |   | 9             |            | 1        | $\top$   | М        |          | _        |              | +            | $\dashv$ | $\dashv$      | H   | 14            |          | $\dashv$   | $\dashv$   | $\dashv$      | $\dashv$ | 十         | $\dashv$     | +         | +        |
|          | 48   | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |            |            | _             |              |          |         |                   |   |                 |   | 98            |            | $\top$   | 1        | П        | $\dashv$ | 7        | -            | $\dashv$     | $\dashv$ | $\dashv$      | ŀ   | 14            |          | +          | -1   | $\dashv$      | $\dashv$ | +         | +            | +         | +        |
| Ĺ        | 49   | $\Box$   | _]         |            | _             |              |          |         |                   |   |                 |   | 99            |            | $\top$   |          | $\vdash$ | 7        | -        | 7            | 7            | $\dashv$ | $\dashv$      | ŀ   | 14            |          | -          | -+   | $\dashv$      | $\dashv$ | +         | -+           | +         | +        |
| Ī        | 50   | T  | 1          | П          |               |              |          |         |                   |   | 7               |   | 10            |            | 1        |          |          | $\neg$   | $\dashv$ | +            | -+           | +        | $\dashv$      | H   | 15            | 7        | $\dashv$   | +  | $\rightarrow$ | -+       | +         | -+           | +         | +        |

If more than 150 claims or 10 actions staple additional sheet here

BEST AVAILABLE CUTY

(LEFT INSIDE)